

Stakeholder Meeting for Sediment Toxicity TMDL at Downtown Anchorage and B Street/Broadway Piers (DAB)

November 19, 2012
San Diego Water Board

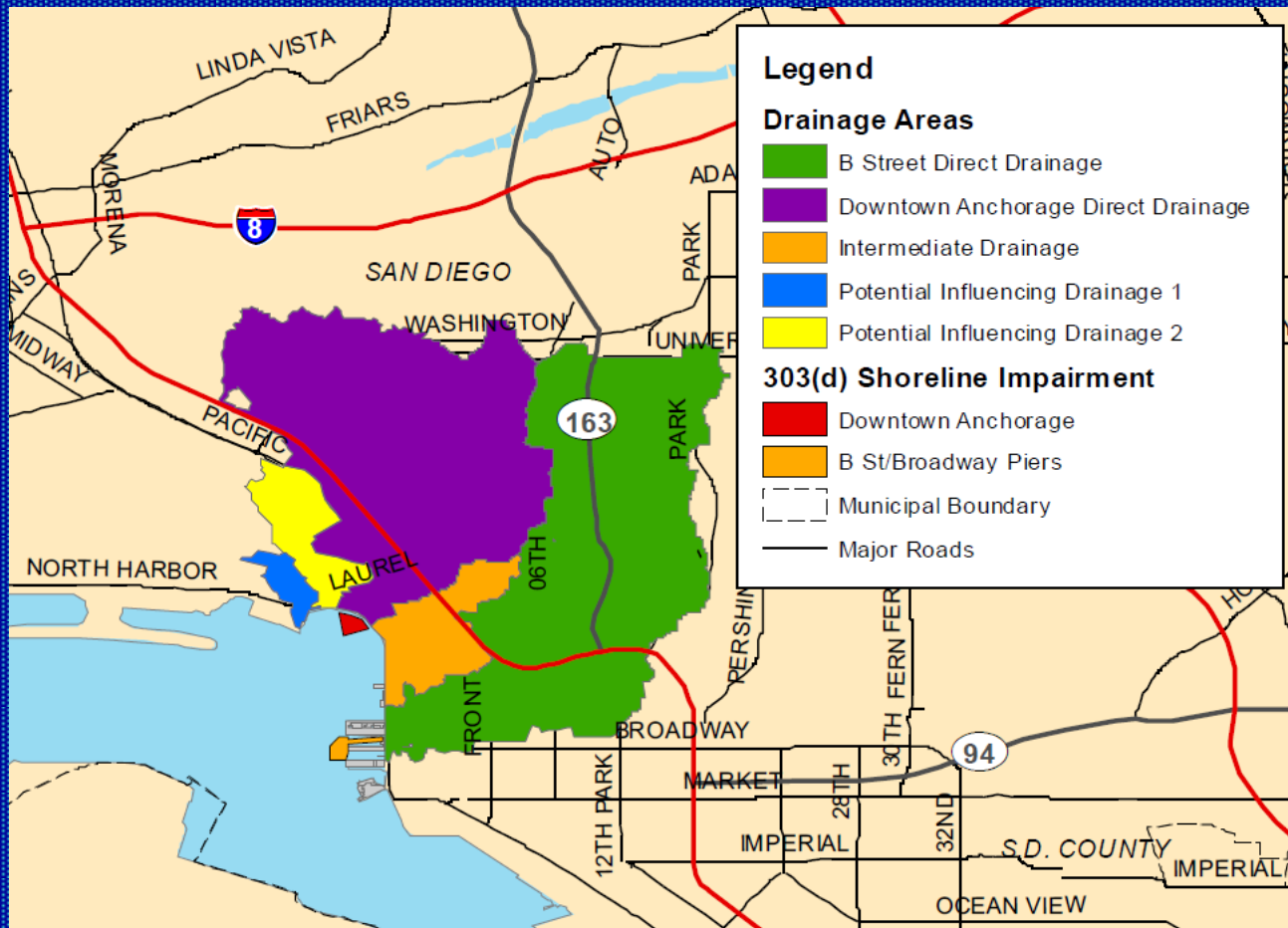
Agenda

- Welcome, Introduction, Purpose of Meeting – Charles Cheng
- Background, Status, Timeline of DAB Project – Charles Cheng
- TMDL Development Effort by City of San Diego – Ruth Kolb
- Chollas, Paleta, Switzer (CPS) TMDL Project and Its Applicability to DAB Project - Lisa Honma
- TMDL Numeric Targets – Cynthia Gorham
- Assumptions and Modeling for DAB TMDL Calculation – Clint Boschen
- Questions and Discussions – All
- Adjourn

Meeting Purpose

- Re-Introduce the Project
- Re-Engage Stakeholders
- Present progress to date
- Describe technical components
- Discuss project goal and timeline
- Provide opportunity for input

Downtown Anchorage and B Street/Broadway Piers Watersheds



Clean Water Act Section 303(d) and Total Maximum Daily Load

- CWA 303(d)(1)(A): *Each state shall identify those waters within its boundaries for which the effluent limitations required by section 301(b)(1)(A) and section 301(b)(1)(B) are not stringent enough to implement any water quality standard applicable to such waters. The State shall establish a priority ranking for such waters, taking into account the severity of the pollution and the uses to be made of such waters.*
- CWA 303(d)(1)(C): *Each State shall establish for the waters identified in paragraph (1)(A) of this subsection, and in accordance with the priority ranking, the total maximum daily load, for those pollutants ...*

CWA 303(d) List

- **San Diego Bay Shoreline, Downtown Anchorage:**
 - Sediment Toxicity
 - Benthic Community Effects

- **San Diego Bay Shoreline, Vicinity of B St and Broadway Piers:**
 - Sediment Toxicity
 - Benthic Community Effects
 - Total Coliform

TMDLs, WLAs, and LAs

A TMDL is the maximum amount of the pollutant of concern that a waterbody can receive and still attain water quality standards.

$$\text{TMDL} = \sum \text{WLAs} + \sum \text{LAs} + \text{MOS}$$

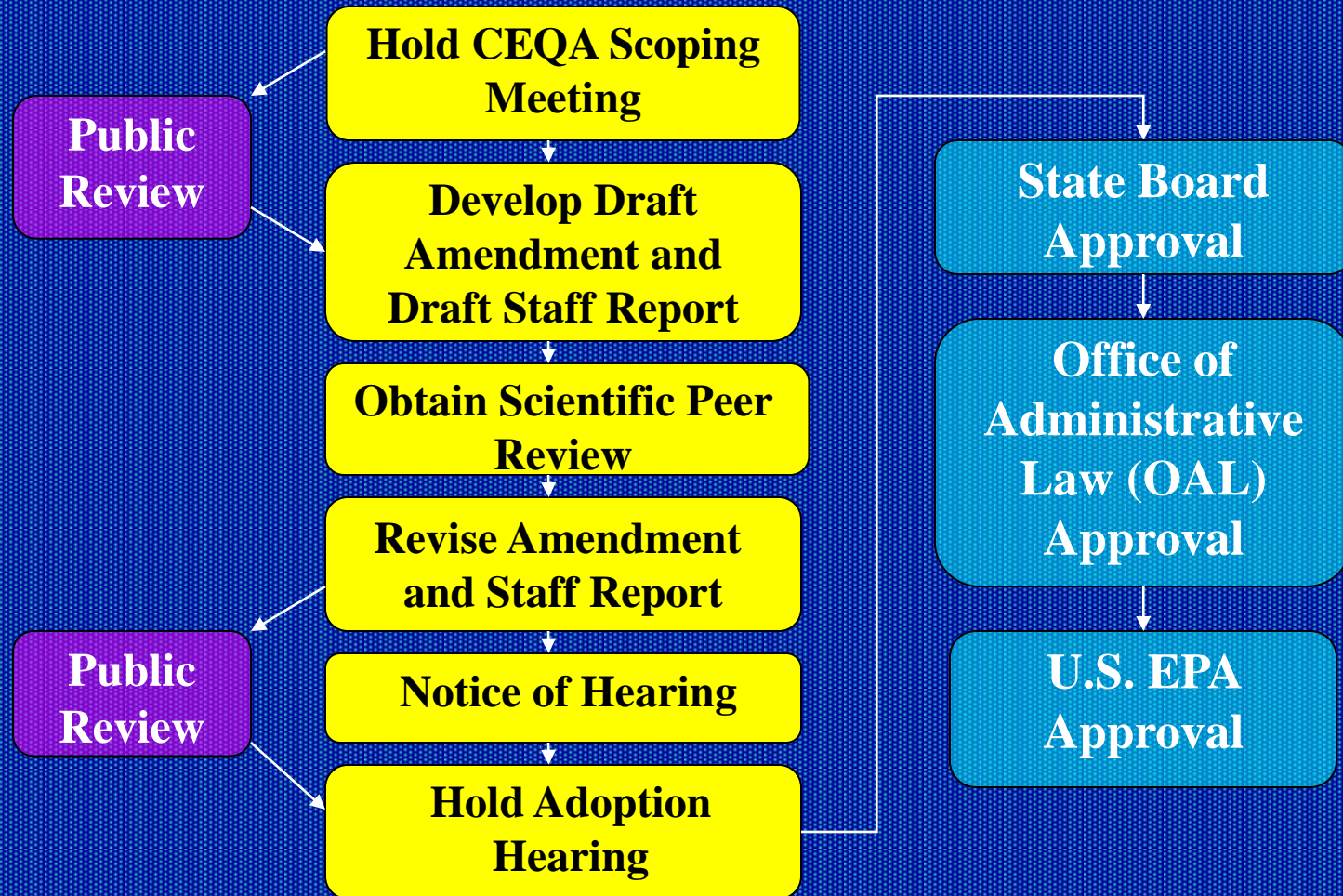
Elements of Technical TMDL

- Problem Statement
- Numeric Targets
- Source Analysis
- Linkage Analysis
- Margin of Safety (MOS)
- Seasonal Variation and Critical Conditions
- Allocation of the TMDL

Implementation Plan

- In addition to technical TMDL, a TMDL also includes Implementation Plan
 - Measures and strategies to attain TMDL
 - Who does what and when
 - Water Board - regulatory measures
 - Incorporate requirements into permits
 - Responsible party - control discharges
 - Load Reduction Plan
 - Methods of compliance (BMPs)
 - Sediment remediation of legacy pollutants in the Bay
 - Monitoring & reporting

Overview of Basin Planning Process



DAB Project History

- 1998 – Listed on 303(d) list for sediment toxicity & Benthic Community Effects
- May 15, 2002 – 1st project meeting (Water Board, Port, City)
- April 21, 2003 – 1st public workshop/CEQA Scoping meeting
- March 2004 – UC Davis Phase I Report (varification)
- April 2005 – UC Davis Phase II Report (TIE)
- 2008 – Tetra Tech model run for CPS and DAB watersheds
 - funded by US EPA
 - Non-site-specific data
- After 2009 – City effort (site-specific data)

Identified Pollutants

	PAHs	PCBs	Chlordane	Zinc
Downtown Anchorage	✓	✓	✓	
B Street/ Broadway Piers	✓	✓		✓

DAB Project Status

- 2008 re-ran model using site-specific data
- Need to re-run model due to
 - Revised numeric targets
 - Revised footprint at Downtown Anchorage
 - Revised WLA approach
- Piggyback with CPS project
 - Same watershed and receiving water models
 - Same NTs for PAHs, PCBs and Chlordane
 - Same assumptions and approach
 - Scientific peer review done
 - CPS to be adopted soon

DAB Project Tasks

- Identify Stakeholders and conduct stakeholder meetings
- Update project website
- Conduct public workshop/CEQA Scoping meeting (Jan 10, 2013)
- Develop CEQA document (SED)
- Develop Draft Staff Report
- Public notice for comment and hearing (45 days)
- Response to public comments
- Revise Staff Report
- Conduct public hearing at June 2013 Board meeting (Jun 2013)

Tentative Tasks and Schedule for DAB Sediment TMDL

October 8, 2012

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